

CLAIMS

1. Computer-assisted production tracking system of one or several workshops or production lines respectively comprising one or several machines (2, 3, 4) consisting of
5 at least one primary real time system (1, 1') comprising at least one inlet connected to at least one machine (2, 3, 4) and/or at least one secondary real time system (2a, 3a, 4a) of the machine(s) (2, 3, 4) and at least one outlet connected to at least one server (5, 5'), said primary real
10 time system (1, 1') and/or the secondary real time system (2a, 3a, 4a) comprising a program which can determine the operating mode of said machine (2, 3, 4) and/or the operating time in each of these modes from the dynamic data transmitted by the machine (2, 3, 4) and/or the secondary
15 real time system (2a, 3a, 4a), the server (5, 5') making the date available to the client computers (6, 7, 8) of the different production, quality or similar departments that are connected to the server (5, 5') via an Intranet or Internet network; said system is characterised in that the
20 primary real time system (1, 1') and/or secondary real time systems (2a, 3a, 4a) comprise a program which can allocate a date and a time to each piece of dynamic data it receives and record this data in at least a first file known as timestamp file (9) so that the server (5, 5') can make this
25 date stamped data available to the client computers (6, 7, 8).

2. Computer-assisted production tracking system set forth in the previous claim, characterised in that the data
30 received by the primary real time system (1, 1') and/or the secondary real time systems (2a, 3a, 4a) consist in dynamic data transmitted by the machines (2, 3, 4) and/or by the secondary real time systems (2a, 3a, 4a) and/or at least

one computer-assisted production tracking computer program or similar.

3. Computer-assisted production tracking system set
5 forth in any one of claims 1 or 2, characterised in that
the data received by the primary real time system (1, 1')
and/or the secondary real time systems (2a, 3a, 4a) consist
in the dynamic data transmitted by a control box (13)
and/or by a control panel (14) and/or by analogue measuring
10 devices connected to the primary real time system (1, 1')
or secondary real time systems (2a, 3a, 4a) and/or by a
thin client (15) connected to the web server (5, 5').

4. Computer-assisted production tracking system set
15 forth in claim 3, characterised in that the first timestamp
file (9) holding the date stamped data is transmitted to
the server (5, 5') at regular intervals so as to record
said date stamped data on a second file known as timestamp
file (10).

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5. Computer-assisted production tracking system set
forth in any one of claims 1 or 2, characterised in that
the first timestamp file (9) holding the date stamped data
is transmitted to the server (5, 5') when said file (9)
25 reaches a pre-set critical size in order to record said
date stamped data in the second timestamp file (10).

6. Computer-assisted production tracking system set
forth in any one of claims 1 to 3, characterised in that
30 the contents of the second timestamp file (10) of the
server (5, 5') are recorded onto a database at regular
intervals.

7. Computer-assisted production tracking system set forth in any one of claims 1 to 3, characterised in that the contents of the second timestamp file (10) of the server (5, 5') are recorded onto a database (11) when said
5 timestamp file (10) reaches a pre-set critical size.

8. Computer-assisted production tracking system set forth in any one of claims 4 or 5, characterised in that, at the end of recording the contents of the second
10 timestamp file (10) onto the database (11), said contents of the second timestamp file (10) are deleted in order to allow the recording of new data in said second timestamp file (10).

15 9. Computer-assisted production tracking system set forth in any one of claims 4 to 6, characterised in that, when the client computer (6, 7, 8) connects to the server (5, 5'), said server (5, 5') makes the date stamped data issuing from the first timestamp file (9) and/or the second
20 timestamp file (10) and/or the database (11) available to the client computer (6, 7, 8) in the form of web pages.

10. Computer-assisted production tracking system set forth in any one of claims 4 to 7, characterised in that
25 the database (11) is recorded on an Intranet server (12) connected to the server (5, 5').

11. Computer-assisted production tracking system set forth in any one of the previous claims, characterised in
30 that the client computer(s) (6, 7, 8) comprise an application which generates a screen and/or a web page containing the data requested by the client computer (6, 7, 8).